Office of Research

University of Missouri-Columbia

Sponsored Program Administration

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May 7, 2007

Commission's Secretary
Office of the Secretary
Federal Communications Commission
236 Massachusetts Avenue, NE, Suite 110
Washington D.C. 20002

RE: University of Missouri-Columbia Proposal/Project ID 0015612/00016846
        Project Title: "Missouri Telehealth Network Expansion Project Proposal"

The following proposal is submitted on behalf of The Curators of the University of Missouri.

If an award is made, it should be to The Curators of the University of Missouri. Please contact me, at 573.882.8307 or teelp@missouri.edu for any administrative questions and/or negotiations.

Also enclosed is a Grant Fact Sheet for the University of Missouri-Columbia for your information.

We appreciate your consideration of this proposal.

Sincerely,

Paula J. Teel
Grants and Contracts Administrator

Enclosures

cc: OSPA File

UNIVERSITY OF MISSOURI - COLUMBIA
OFFICE OF RESEARCH AND
OFFICE OF SPONSORED PROGRAM ADMINISTRATION
GRANT ADMINISTRATIVE INFORMATION

APPLICANT NAME AND ADDRESS:
The Curators of the University of Missouri
The University of Missouri - Columbia
Office of Sponsored Program Administration
310 Jesse Hall
Columbia, MO 65211-1230
grantsdc@missouri.edu

MAKE AWARDS/CHECKS PAYABLE TO:
The Curators of the University of Missouri

ORGANIZATION TYPE:
Public Institution of Higher Education and a Public
Corporation under the laws of the State of Missouri
(sec. 172.00 RSMo.)

COGNIZANT AUDIT AGENCY:
U.S. Department of Health and Human Services
Office of the Secretary, Div. of Cost Allocation
Room 1130 Main Tower Building
Dallas, TX 75202
    ATTN: Branch Manager, Colleges and
           Universities

ADMINISTRATIVE CONTRACTING OFFICE:
Office of Naval Research, Chicago Branch
Federal Building, Room 208
536 South Clark Street
Chicago, IL 60605

U.S. CONGRESSIONAL DISTRICT:
Ninth (9th) Congressional District

COUNTY:
Boone County, Missouri

TAX EXEMPT STATUS:
Exempt by virtue of being an organization as
described in Section 115 of the Internal Revenue Code
of 1954; the University is an instrumentality of the
State of Missouri

EMPLOYER ID NUMBER:
43-6003859

MISSOURI STATE VENDOR NUMBER:
5236614

DUNS NUMBER:
153890272 Columbia Campus
006326904 UM System (US Department of ED)

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08/17/06

INSTITUTIONAL ENDORSEMENT PAGE

PROJECT TITLE: "Missouri Telehealth Network Expansion Project Proposal"

SUBMITTED TO: FCC

SUBMITTED BY: The Curators of the University of Missouri
The University of Missouri - Columbia
Office of Sponsored Program Administration
310 Jesse Hall
Columbia, Missouri 65211-1230
573/882-7560

PROJECT DIRECTOR: E. Rachel Mutrux, Director
External Affairs, Telemedicine
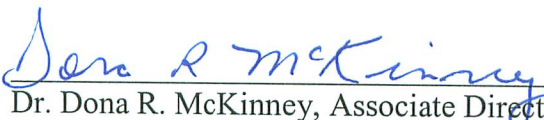School of Medicine
University of Missouri-Columbia

PROJECT DURATION: 07/01/07 through 06/30/08

REQUESTED FUNDS: $1,943,400

BUSINESS OFFICIAL: Michael J. Warnock, Director
Office of Sponsored Program Administration
University of Missouri - Columbia
310 Jesse Hall
Columbia, Missouri 65211-1230
573/882-7560 / FAX: 573/884-4078

APPROVALS:

FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

Dr. Dona R. McKinney, Associate Director   5-7-07
Office of Sponsored Program Administration   Date

UMC Proposal/Project ID:0015612/00016846

Missouri Telehealth Network Expansion
Project Proposal

The Curators of the University of Missouri
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Columbia, MO 65211
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Phone: 573-882-7560
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Abstract

The Missouri Telehealth Network exists to enhance access to care to underserved areas of Missouri, to provide educational opportunities for health care providers, to further homeland security efforts related to disaster preparedness, to be available in the event of a disaster and to provide research opportunities to clinicians wanting to study via telehealth.

Missouri Telehealth Network began in 1994 as one of the nation's first public-private partnerships in telehealth. A ten site network was initially developed with federal support coming from the Health Resource and Services Administration's Office of Rural Health Policy and private support coming from telecommunication companies, as well as each telehealth site. Today, Missouri Telehealth Network has 127 sites in 43 Missouri counties. The network is funded with federal, state and institutional dollars. This continues to include financial support from all Missouri Telehealth Network sites.

Missouri Telehealth Network has provided services in more than 15 different medical specialties, with a majority of the work coming from radiology, mental health, dermatology and cardiology. To date, more than 11,000 interactive video encounters and 57,500 teleradiology exams have been conducted by current network participants. This usage brings specialized care to underserved, rural areas of Missouri in a manner that is convenient to both patient and provider.

The Missouri Telehealth Network proposes to increase the size and improve the quality of the current statewide telehealth network. Upon approval, a total of 32 sites will be added to the current 127 sites on the Missouri Telehealth Network. The Missouri Telehealth Network, in operation since 1994, has the experience and expertise to train start up telemedicine programs in all crucial areas: clinical, technical, operational, legal and regulatory, manage existing and new sites, and increase access to heath care via telehealth services for rural Missourians. Currently Missouri Telehealth Network oversees the entire network which consists of hospitals, Federally Qualified Health Centers, Community Mental Health Centers, a State Habilitation Center and a host of other types of health care facilities. Each proposed new site has agreed to fund the costs not covered by this FCC Pilot. New providers on the network will include mental health professionals, hospitals, specialists and sub-specialists, ensuring increased and timely access to health care resources for rural Missourians.

Goals and Objectives

Goal 1: Build a dedicated statewide backbone for telehealth.

Objectives

1. Privacy – Enable mechanisms that ensure secure data transport for sensitive, health related information, including electronic medical records.
2. Reliability – Design and build a network that minimizes single points of failure and has high availability.
3. Quality – Design and build a network that has low latency, low jitter, and low packet loss to ensure a successful telehealth end-user experience.
4. Interoperability – Build a network that conforms to industry standards that allows for continued growth, support, and the adoption of future technologies.

Goal 2: Increase access to quality, affordable health care for Missourians.

Objectives

1. Provide connectivity for rural providers to ensure patients have access to specialized care without associated travel costs.
   a. Connect 11 Community Mental Health Centers to the Missouri Telehealth Network.
   b. Connect 5 Department of Mental Health Centers and Hospitals to the Missouri Telehealth Network.
   c. Connect 16 Primary Care Clinics, Hospitals and Specialty clinics to the Missouri Telehealth Network.

Goal 3: Connect to and participate in a national telehealth infrastructure via Internet 2.

Objectives

1. Join regional efforts for disaster, bioterrorism and pandemic preparedness and response activities.
2. Promote and participate in medical education nationally on critical topics.

Network Costs

Attachments A & C provide a listing of network costs by participating organization and site.

Cost estimates shown in the attachments are based on existing contracts for networking equipment and T-1 access circuits from telecommunication providers. Those costs associated with Common Infrastructure are current best estimates. Actual costs to build the Missouri Next Generation Network which will deliver the 2 Gigabit telehealth backbone infrastructure will be determined by University of Missouri procurement procedures.

For Profits

There are no for-profit health care organizations included in the proposal.

Cost Sharing

Each new participating site will fund costs not covered by this proposed pilot program, including the purchase of the local site equipment needed to participate in the network. All costs are shown on the budget (*Attachments A & C*). Letters of Intent from each organization are included as *Attachment D*.

Site Listing

Attachment B provides the comprehensive list of each facility to be added to the Missouri Telehealth Network through this funding opportunity.

Previous experience

As part of the University of Missouri Health Care System, Missouri Telehealth Network is uniquely qualified to run this sizeable telehealth network. University of Missouri Health Care is one of the nation's leaders in using telehealth technologies to provide health care, education, training, and teleradiology to those in rural and other underserved areas. The Missouri Telehealth Network is a vital part of the University's strategic plan within the health care system.

The University's strong commitment to the telehealth program is one of the many reasons that telemedicine at the University of Missouri has grown into a viable network of interactive video, teleradiology, and data systems that are capable of collaborating with other health care organizations within Missouri and regionally.

The Mission of the Missouri Telehealth Network

As part of our mission to provide quality health care to Missourians, the University of Missouri Health Care is using telehealth technologies to provide health care to patients living in rural and other underserved areas of the state. With telehealth locations in 43 Missouri counties and expansion planning underway, the Missouri Telehealth Network continues to make a difference in the way we deliver care and educate patients, providers, and health organizations regarding care options and resources.

The Missouri Telehealth Network has over ten years of experience in the field of telehealth and network management. With this comes experience in many areas including:
- managing a telehealth network;
- providing technical assistance to other telehealth networks;
- business and strategic planning;
- evaluation of satisfaction, cost analysis, concordance in diagnosis and treatment of various telehealth modalities;
- telehealth policy activities;
- educational outreach; and
- information dissemination.

Each of these areas of expertise is important in supporting a robust and high performing telehealth network and in supporting the region's network participants.

The Missouri Telehealth Network as a leader of telehealth medicine

As an existing and well-established telehealth network, the Missouri Telehealth Network currently assists other organizations requesting information regarding telehealth. Another vital component of the success of Missouri Telehealth Network is the integration of telehealth activities into the clinical and educational processes of the organization. Missouri Telehealth Network staff work diligently to integrate telehealth into the clinical processes at University of Missouri Health Care. Telehealth must mirror how care is provided face-to-face in order to be successful in a clinic setting. This is accomplished at Missouri Telehealth Network by customizing the billing and scheduling software and working closely with various departments including Integrated Technology Services, University Physicians, Patient Accounts and clinical specialty staff to integrate telehealth into these existing systems. This is especially important in training and advising other networks or new telehealth programs who are trying to accomplish this goal. The processes developed and implemented by Missouri Telehealth Network can and are being replicated by other telehealth networks.

The Missouri Research and Education Network

The Missouri Research and Education Network (MOREnet) is a 17-year collaboration between K-12 schools, higher education institutions, libraries, state government and many other groups that operates as a separate unit within the University of Missouri system. MOREnet receives planning and budgetary oversight from the MOREnet Council which consists of representatives from the Department of Elementary and Secondary Education, the Secretary of State's Office, the Department of Higher Education, the State Office of Information Technology, higher education institutions, public schools and public libraries.

The MOREnet network provides robust, reliable and secure Internet connectivity to its member organizations, and helps deliver end-to-end reliability for essential services such as technical support, videoconferencing support, technical training and network security.

An important feature of the Internet connectivity provided by MOREnet is the high-speed intrastate network consisting of six major circuits connecting several major population centers in the state. The six major circuits form the network backbone, which functions like an interstate highway. All MOREnet members use the backbone to connect to each other and Missouri citizens. A reliable network backbone is essential to maintain quality of service for data traffic and video distance learning.

This network provides responsive, robust, secure and reliable service that is essential to the quality necessary to promote e-government, video and distance learning, the shared catalog for academic libraries, a network of clinics providing high-quality specialty care in rural or underserved communities, full-text access to more than a thousand periodicals and access to comprehensive databases of up-to-date business resources, among other initiatives.

MOREnet also manages nearly 1,100 member connections statewide. Member connections carry traffic from the backbone to individual sites, such as K-12 schools, public libraries, university and college campuses and other MOREnet members. These connections are the essential paths needed to get data to the network backbone where it travels around the state or gets delivered to an Internet access point.

Currently, MOREnet serves:
* 860,000 students and 75,000 faculty and staff in 514 school districts;
* 336,000 students and 38,000 faculty and staff in 26 public and 41 independent higher education institutions;
* 339 public library buildings serving 5.1 million Missourians;
* 88 Telehealth hospital and clinic sites;
* State Government;
* More than 500,000 connected computers.

As an Internet2 Sponsored Educational Group Participant (SEGP), MOREnet provides access for all its members to the Internet2 backbone network, Abilene. MOREnet's backbone connection to Internet2 is through the GigaPoP located in Kansas City and supported by the Great Plains Network (GPN), a consortium of Great Plains states dedicated to supporting scientific research through the use of networking technology.

<u>The Missouri Telehealth Network and MOREnet Relationship</u>

The Missouri Telehealth Network service is provided by the MOREnet network backbone. The robust and secure MOREnet network is the ideal host for the Missouri Telehealth Network. With both entities operating under the University of Missouri System, connected sites have the benefit of access to technology resources that would not be available under other circumstances.

MOREnet currently has a project underway to build a next generation network in support of research and education in Missouri. This proposal expands that project to include a 2 gigabit (2G) backbone infrastructure dedicated to telehealth within Missouri. A dedicated 2G network positions the Missouri Telehealth Network to begin implementing advanced applications such as high definition video without stressing the underlying network infrastructure. Additionally, the equipment proposed to implement this 2G telehealth backbone network is fully capable of scaling to support up to a 10 Gigabit Ethernet facility in future years.

During the build out of the Missouri Next Generation Network by MOREnet, Missouri Telehealth Network anticipates working with existing and candidate members to identify locations able to participate in deploying advanced services for telehealth during year two of this pilot. With a scheduled production of late summer 2008, the new network infrastructure will be connection ready and able to support high speed services to health care facilities. The Missouri Telehealth Network expects to identify six to ten (6-10) health organizations and, with a new backbone infrastructure in place, submit a year two proposal to connect these sites with high speed circuits.

MOREnet is the only entity in Missouri that can provide the dedicated bandwidth and technical support for streaming high definition video while maintaining the security of the medical information being transmitted. This makes it the logical choice for hosting the Missouri Telehealth Network.

Management Plan/ Structure/ Work Plan/ Timeline

Rachel Mutrux, Director of the Missouri Telehealth Network, will be Project Manager for this expansion. Her responsibilities will include communicating with all of the remote sites for contractual needs and equipment requirements. Also, Ms. Mutrux will plan regularly scheduled meetings with the MOREnet team to ensure timeliness and continuity of each step. Ben Colley, Systems Architect for Strategic Technologies for MOREnet will act as the main liaison between MOREnet and the Missouri Telehealth Network. Mr. Colley will instruct his team on dates for specific tasks. *See attachment F for the Relationship Chart.*

Table 1: Missouri Telehealth Network Expansion Project Timeline		
Activity	**Timeline**	**Responsible Staff**
Enter into contractual agreements with new telehealth sites	July-August 2007	Missouri Telehealth Network staff
Review and finalize network engineering plan	July-September 2007	Missouri Telehealth Network, MOREnet, Site Staff
Submit Form 465 for each site	July-August 2007	MOREnet, Missouri Telehealth Network
Order network equipment	August-September 2007	MOREnet
Order access circuits to new telehealth sites	August-September 2007	MOREnet
Submit Form 466 for each site	August-September 2007	MOREnet
Order video conferencing equipment	August-September 2007	Missouri Telehealth Network
Schedule circuit activation and network installation with new telehealth sites	September-November 2007	MOREnet, site staff
Install network and activate data circuits	September-November 2007	MOREnet, site staff
Submit Form 467 for each site	September-November 2007	MOREnet
Install video conference equipment, conduct onsite training	October-December 2007	Missouri Telehealth Network, site staff
Order backbone network equipment	March 2008	MOREnet
Configure, deliver and install backbone network equipment	June 2008	MOREnet

Table 1: Missouri Telehealth Network Expansion Project Timeline		
Activity	**Timeline**	**Responsible Staff**
Provision network bandwidth (2 gigabit) on new MOREnet backbone	June 2008	MOREnet
Activate dedicated telehealth network	July 2008	MOREnet, Missouri Telehealth Network
Activate and test network services to and with other Internet2 telehealth participants.	July 2008	MOREnet, Missouri Telehealth Network
Transition Missouri Telehealth Network membership to new dedicated network	July-September 2008	MOREnet

Exemptions

The Curators of the University of Missouri (the "Curators") seek five exemptions from the current regulatory schematic of the Rural Health Care ("RHC") program in this Pilot Program Proposal.

1. In this proposal, the Curators include several locations of health care clinics that are currently located in an urban area as defined by United States Census data. While the urban sites included in the Curators' proposal would effectively not qualify for discounts, their inclusion is important to building a statewide telehealth network. Urban sites are often the headquarter sites for rural clinics and it is important that they be connected through the telehealth network. Additionally, although urban, it is possible that a patient would have to travel an hour or more between clinics given the urban sprawl of large Missouri cities such as St. Louis. This is often a hardship on low-income patients.

2. Missouri currently runs an extensive telehealth network. The goal of this proposal is to further expand that network and bring a new level of services to potential patients. This goal is achieved by adding new telehealth sites all over the state, both rural and urban. Of the proposed sites in Missouri, only four currently qualify for RHC discounts. The cost of bringing telecommunications services to rural areas has leveled out somewhat as the telecommunications industry advances. Because of this, most rural sites are not over the prescribed dollar amount for discount by RHC. The Curators ask that this be waived so that all rural sites are now eligible for discount. Without such an exemption, it is impossible to build a telehealth network that provides significant and sufficient coverage to Missouri.

3. Under the current RHC program design, applicants are approved for funding and then required to invoice USAC for the receipt of funds. Often this can mean a 12 month, 18 month, or even longer delay. This inherent design will not work for the pilot program. If awarded, it will be imperative that FCC release the funds requested so that Missouri may begin to design, build and expand upon its telehealth networks. Missouri is not in a position to absorb the 85% cost of designing and deploying this telehealth network and then seek reimbursement a year or more later. In a time of declining budgets in health care, it simply is not possible. The prudent decision for the success of this pilot program would be to release funding at the same time of award. This will allow Missouri to immediately begin work on expanding the telehealth network.

4. Under the current RHC program, funding for infrastructure is not available. The RHC program supports only telecommunications services and monthly Internet access charges used for the provision of health care. Support is also available for limited long-distance charges for accessing the Internet. Clearly, under the goals of this funding opportunity, this restriction on current eligible services would have to be an exception from the proposal.

A stated goal of this pilot program is to assist in the construction of state or regional broadband networks. Currently, University of Missouri and MOREnet are actively engaged in building a privately managed fiber optic network which will significantly reduce the cost of a high bandwidth backbone infrastructure. This proposal requests funding for Ethernet circuits operating at two-gigabits per second from that emerging fiber optic facility. Allowing these fiber optic facilities and supporting equipment to be expenses within the program will greatly enhance the ability of the Missouri Telehealth Network to obtain high-bandwidth services where they might not otherwise be available, as well as sustain network operations through the reduced cost of bandwidth they offer.

5. Currently, the Missouri Telehealth Network and the MOREnet both charge a fee to all users to support the costs of running a comprehensive statewide network. These fees support the operational costs of running the network, including installation, training, help desk, security, and personnel expenses so that the network remains robust, reliable, sustainable, and available to our users. We respectfully request that these fees be an allowable cost in our proposal. The Curators recognize that under current program guidelines, costs such as membership fees are not allowable for reimbursement. However, our proposal attempts to bring a number of new, very rural, economically challenged hospitals and clinics to the Missouri Telehealth Network. Simply put, a number of these sites will be using every available resource to cover their share of the ineligible 15% costs under the pilot guidelines. Having to also provide for the membership fees would be limiting to their participation in this very important pilot. Allowing the Curators to include the membership fees in the 85% funded would make this pilot exceptionally more accessible for a majority of the rural, low budget hospitals and clinics in Missouri that need telehealth for improving access to, and quality of, health care services for their communities.

Telemedicine Program Coordination

1. University of Missouri Health Care Telemedicine Program is part of Rural Health Programs in the University of Missouri- School of Medicine. The Medical Director, Dr. Karen Edison is a nationally known leader in telehealth policy. She served as Robert Wood Johnson Health Policy Fellow and then majority health policy staff for the Health Education Labor and Pensions (HELP) Committee in the United States Senate from 1999-2001, where she was highly instrumental in the legislative expansion of Medicare reimbursement for telehealth services. She returned to Missouri in 2001 where her current titles include Philip C. Anderson Professor and Chairman of the Department of Dermatology, Medical Director of the Missouri Telehealth Network and Co-Director of the Center for Health Policy at the University of Missouri in Columbia.

   Rachel Mutrux, Director of Missouri Telehealth Network, has been with the program for over four years and has experience in expanding the network as she was the Project Director for both the Missouri Department of Health and Senior Services and the Missouri Primary Care Association Bioterrorism Preparedness and Response projects that added more than forty new sites. The Missouri Telehealth Network staff consists of a director, assistant director, clinical coordinator, two technical network staff, a part time education coordinator, administrative associate and administrative assistant. These staff members are responsible for all clinical, educational and administrative meetings that run over the network.

   University of Missouri Health Care has an average of 6 telemedicine clinics, 10 educational programs and 5-10 administrative functions each week. The Missouri Telehealth Network provides training, event monitoring, proper scheduling and billing, and quality of service on the network.

2. Missouri Telehealth Network fostering new telemedicine start-ups

   a. New Mental Health provider sites. Four Community Mental Health Organizations from around Missouri will connect 11 new sites. These organizations generally do not have clinicians at each site, but rather require providers to travel to each location. Telehealth will offer significantly reduced travel time for physicians, which in turn translates into more patients that can be seen. More importantly, patients in crisis can be seen immediately instead of waiting until the provider's scheduled travel day.

   b. Citizen's Memorial Healthcare. Citizen's Memorial, located in Bolivar, Missouri, plans to utilize their own specialists to provide specialty consults and care to patients at remote clinics. They propose connecting a total of 12 sites, with four being provider locations and eight being patient sites.

   c. Missouri Department of Mental Health. These five new sites will offer improved health care to the patient population while also saving travel costs and time. Care is improved over the telehealth network because the specialist speaks to a knowledgeable site staff member who knows and works with the patient on a regular basis. Transport staff members are not first line care givers and are usually unfamiliar with the patient's

medical condition. There is enthusiastic support for telehealth by the one Department of Mental Health site that is already part of the network of primary care providers. Primary care providers at Marshall Habilitation Center are especially impressed with the improved outcomes attributed to telehealth visits.

d. <u>Heartland Health</u>. Heartland, located in St. Joseph, Missouri, serves as the primary tertiary medical center for the entire region of rural, sparsely populated northwest Missouri. Heartland and Northwest Health Services (the region's Federally Qualified Health Center) are currently connected to the Missouri Telehealth Network. However, this connectivity is limited to their locations in St. Joseph. Heartland plans to add access points throughout their 19-county region to include one of their partner hospitals, a primary care provider office, and a group practice. In addition to the telehealth network opportunities, Heartland will provide access to their electronic medical record over the network for these new sites.

Sustainability

Sustainability of the program will depend primarily upon the remote sites' ability to cover the cost of on-going line charges. There are a number of methods that either are, or may be deployed to assure sustainability of the network once established. These include the following:

1. The Missouri model allows participating sites to bundle their data traffic needs with video technology, improving efficiencies in infrastructure and also reducing the need for multiple providers of these services. The savings that participating organizations experience from bundling services will help offset the on-going connectivity charges.

2. The Missouri Telehealth Network is funded through grants with the Missouri Department of Health and Senior Services and the Missouri Primary Care Association for Bioterrorism Preparedness and Response activities. Historically, the Missouri Telehealth Network has gotten funds from the state as a one time allocation and has been the recipient of federal grants thru the Office for the Advancement of Telehealth. University of Missouri Health Care also provides ongoing funding for the program.

3. MOREnet currently receives funding through the State of Missouri, with an annual appropriation of approximately $12.7 million anticipated for state fiscal year 2008 (July 1, 2007 through June 30, 2008). These funds serve a variety of purposes, including the provision of technical and other staff necessary to support on-going operation of the system. MOREnet funding sources are used to support the MOREnet network, including operational costs, installation costs, training, help desk services, and more. The MOREnet network is reliable, sustainable, and available to all users, including the Missouri Telehealth Network.

4. The legislation to establish Missouri's new Medicaid program, Missouri Health Net, includes language to reimburse for telehealth services at the same rate as in-person visits. This change in policy has the potential to result in increased billable Medicaid revenues for providers as they will be able to see more patients than in the past when they had to travel to remote locations. Essentially, through reduced 'windshield' time, providers will increase their productivity, which in turn will provide their organizations with increased revenue to support continued participation on the Missouri Telehealth Network.

ATTACHMENT A
Missouri Telehealth Network Expansion Project
Budget Summary

Sources of Funds

FCC Proposal Request (85% of Requested Expenses)	$ 1,943,400
Participant Share (15% of Requested Expenses)	342,900
Participant Share (100% of Expenses Not Requested)	974,200
Total Sources of Funds	**$ 3,260,500**

Expenses

	One-Time	Annual Recurring	Year 1 Total
Requested Funding			
Common Infrastructure			
Network Costs[1]	$ 908,000	$ 147,000	$ 1,055,000
Missouri Telehealth Network Backbone Specific			
Network Equipment[2]	800,000	14,000	814,000
Internet2[3]	-	25,000	25,000
Missouri Telehealth Network Specific for 32 New Sites			
Circuit Connection[4]	3,800	165,100	168,900
Router[5]	67,200	2,600	69,800
Operation Fee[6]	-	153,600	153,600
Sub-Total: Expenses in Requested Funding	**$ 1,779,000**	**$ 507,300**	**$ 2,286,300**
Not in Proposal Funding Request			
Site Specific			
Circuit Connection (77 sites)[4]	$ -	$ 378,100	$ 378,100
Router (77 sites)[5]	-	6,200	6,200
Operation Fee (77 sites)[6]	-	369,600	369,600
Video Equipment (32 sites)[7]	220,300	-	220,300
Sub-Total: Expenses Not in Proposal Funding Request	**$ 220,300**	**$ 753,900**	**$ 974,200**
Total Project Expenses	**$ 1,999,300**	**$ 1,261,200**	**$ 3,260,500**

Notes
1 Two (2) Gigabit Ethernet dedicated statewide bandwidth from the MOREnet backbone, 1/10th or 10%.
2 Four 7600 routers and maintenance.
3 Standard recurring Internet2 connection fee per I2 letter.
4 Telco circuit charges and Telco install fees based on current contract documentation.
5 Cisco router, switch and maintenance based on current contract documentation.
6 MTN maintenance fee, MOREnet Managed Connection fee and MOREnet Bandwidth Connectivity fee.
7 Polycom with three year service agreement, TV, cart, VCR/DVD and cables.

	Site Name	Street Address	City, State	Zip	Phone	RUCA
Rural Sites						
1	Ash Grove Family Medical Center	500 N. Medical Dr.	Ash Grove, MO	65604	417-751-2100	2
2	Ash Grove Healthcare Facility	401 N. Medical	Ash Grove, MO	65604	417-751-2575	2
3	BJC - Southeast Division	1085 Maple Street	Farmington, MO	63640	573.756.5353	4
4	Bolivar Family Care Center	1240 N. Butterfield	Bolivar, MO	65613	417-326-6021	7.1
5	Burrell - Marshfield Clinic	211 N. Clay, Suite AA	Marshfield, MO	65706	417-859-2894	7.1
6	Citizens Memorial Hospital	1500 N. Oakland	Bolivar, MO	65613	417-326-6000	7.1
7	CMH Foot & Ankle Clinic, & Bolivar Eye Specialty Center	1630 S. Killingsworth	Bolivar, MO	65613	417-326-6200	7.1
8	Colonial Springs Healthcare Center	750 W. Cooper	Buffalo, MO	65622	417-345-2228	2
9	Dade County Family Medical Center	Hwy 39/160 at BB Hwy	Greenfield, MO	65661	417-637-5133	10.4
10	Dallas County Family Medical Center	201 S. Ash	Buffalo, MO	65622	417-345-6100	2
11	DMH - Fulton State Hospital	600 East Fifth Street	Fulton, MO	65251	573-592-4100	4
12	DMH - Higginsville Habilitation Center	West First Street, PO Box 517	Higginsville, MO	64037	660-584-2142	7.3
13	DMH - Southeast MO Mental Health Center	1010 West Columbia	Farmington, MO	63640	573-218-6792	4
14	DMH - Southwest MO Psychiatric Rehabilitation Center	1301 Industrial Parkway East	El Dorado Springs, MO	64744	417-876-1002	5
15	Family Counseling Center - Adult A&D Services	Highway J. North	Hayti, MO	63851	573-359-2600	7
16	Family Counseling Center - Adult A&D Services	1015 Lanton Road	West Plains, MO	65775	417-256-2570	8
17	Family Counseling Center - Psychiatric Services	925 Highway VV	Kennett, MO	63857	573-888-5925	4
18	Family Counseling Center - Psychiatric Services	1140 Three Rivers Blvd.	Poplar Bluff, MO	63901	573-686-1200	4
19	Heartland - JM Healthcare	1607 East Highway 136	Albany, MO	64402	660-726-3311	10
20	Heartland - Northwest Medical Center	705 North College Street	Albany, MO	64402	660-726-3941	10
21	Heartland - St. Francis Family Healthcare	20116 South Main Street	Maryville, MO	64468	660-562-2525	4
22	Hermitage Family Medical Center	Hwy 254 & Dallas	Hermitage, MO	65668	417-745-2121	10.4
23	Humansville Family Medical Center	104 S. Ohio	Humansville, MO	65674	417-754-2223	8
24	Marceline Community Health Center	225 W. Hayden, P.O. Box 317	Marceline, MO	64658	660-376-8000	10.6
25	Pleasant Hope Family Medical Center	209 S. Main	Pleasant Hope, MO	65725	417-267-2001	7.1
26	Stockton Family Medical Center	810 S. Street	Stockton, MO	65785	417-328-6010	7.1
Urban Sites						
27	BJC - Central Division	1430 Olive Street, Suite 500	St. Louis, MO	63103	314.206.3700	1
28	BJC - North Division	3165 McKelvey Road	Bridgeton, MO	63044	314.206.3900	1
29	BJC - South Division	343 South Kirkwood Road	Kirkwood, MO	63122	314.206.3400	1
30	Burrell - Main Center	1300 E. Bradford Parkway	Springfield, MO	65804	417-269-5400	1
31	DMH - Cottonwood Residential Treatment Center	1025 North Sprigg Street	Cape Girardeau, MO	63701	573-290-5888	4
32	Family Counseling Center - Women's A&D Services	20 South Sprigg Street	Cape Girardeau, MO	63703	573-651-4177	4

Attachment C

Missouri Telehealth Network Expansion Project

Site Budget Detail

| Site Name | Circuit | | | | CISCO Router 1841 w/ WIC-1DSU-T1-V2 | | | |
	One-Time	Monthly Recurring	Annual Recurring	First Year Total	Router	Switch	Maintenance	First Year Total
Rural Sites								
1 Ash Grove Family Medical Center	$ 218.00	$ 312.00	$ 3,744.00	$ 3,962.00	$ 1,475.75	$ 625.00	$ 80.50	$ 2,181.25
2 Ash Grove Healthcare Facility	218.00	312.00	3,744.00	3,962.00	1,475.75	625.00	80.50	2,181.25
3 BJC - Southeast Division	-	436.79	5,241.48	5,241.48	1,475.75	625.00	80.50	2,181.25
4 Bolivar Family Care Center	-	700.00	8,400.00	8,400.00	1,475.75	625.00	80.50	2,181.25
5 Burrell - Marshfield Clinic	415.00	490.00	5,880.00	6,295.00	1,475.75	625.00	80.50	2,181.25
6 Citizens Memorial Hospital	-	700.00	8,400.00	8,400.00	1,475.75	625.00	80.50	2,181.25
7 CMH Foot & Ankle Clinic, & Bolivar Eye Specialty Center	-	700.00	8,400.00	8,400.00	1,475.75	625.00	80.50	2,181.25
8 Colonial Springs Healthcare Center	415.00	490.00	5,880.00	6,295.00	1,475.75	625.00	80.50	2,181.25
9 Dade County Family Medical Center	415.00	490.00	5,880.00	6,295.00	1,475.75	625.00	80.50	2,181.25
10 Dallas County Family Medical Center	415.00	490.00	5,880.00	6,295.00	1,475.75	625.00	80.50	2,181.25
11 DMH - Fulton State Hospital	218.00	365.87	4,390.44	4,608.44	1,475.75	625.00	80.50	2,181.25
12 DMH - Higginsville Habilitation Center	-	436.79	5,241.48	5,241.48	1,475.75	625.00	80.50	2,181.25
13 DMH - Southeast MO Mental Health Center	-	350.01	4,200.12	4,200.12	1,475.75	625.00	80.50	2,181.25
14 DMH - Southwest MO Psychiatric Rehabilitation Center	415.00	490.00	5,880.00	6,295.00	1,475.75	625.00	80.50	2,181.25
15 Family Counseling Center - Adult A&D Services	-	436.79	5,241.48	5,241.48	1,475.75	625.00	80.50	2,181.25
16 Family Counseling Center - Adult A&D Services	415.00	490.00	5,880.00	6,295.00	1,475.75	625.00	80.50	2,181.25
17 Family Counseling Center - Psychiatric Services	-	436.79	5,241.48	5,241.48	1,475.75	625.00	80.50	2,181.25
18 Family Counseling Center - Psychiatric Services	-	436.79	5,241.48	5,241.48	1,475.75	625.00	80.50	2,181.25
19 Heartland - JM Healthcare	-	436.79	5,241.48	5,241.48	1,475.75	625.00	80.50	2,181.25
20 Heartland - Northwest Medical Center	-	436.79	5,241.48	5,241.48	1,475.75	625.00	80.50	2,181.25
21 Heartland - St. Francis Family Healthcare	-	393.00	4,716.00	4,716.00	1,475.75	625.00	80.50	2,181.25
22 Hermitage Family Medical Center	-	400.00	4,800.00	4,800.00	1,475.75	625.00	80.50	2,181.25
23 Humansville Family Medical Center	-	400.00	4,800.00	4,800.00	1,475.75	625.00	80.50	2,181.25
24 Marceline Community Health Center	-	350.01	4,200.12	4,200.12	1,475.75	625.00	80.50	2,181.25
25 Pleasant Hope Family Medical Center	-	550.00	6,600.00	6,600.00	1,475.75	625.00	80.50	2,181.25
26 Stockton Family Medical Center	$ -	$ 700.00	$ 8,400.00	$ 8,400.00	$ 1,475.75	$ 625.00	$ 80.50	$ 2,181.25
Sub-Total:				$ 149,909.04				$ 56,712.50
Urban Sites								
27 BJC - Central Division	$ 218.00	$ 191.03	$ 2,292.36	$ 2,510.36	$ 1,475.75	$ 625.00	$ 80.50	$ 2,181.25
28 BJC - North Division	218.00	191.03	2,292.36	2,510.36	1,475.75	625.00	80.50	2,181.25
29 BJC - South Division	218.00	191.03	2,292.36	2,510.36	1,475.75	625.00	80.50	2,181.25
30 Burrell - Main Center	-	300.00	3,600.00	3,600.00	1,475.75	625.00	80.50	2,181.25
31 DMH - Cottonwood Residential Treatment Center	-	327.50	3,930.00	3,930.00	1,475.75	625.00	80.50	2,181.25
32 Family Counseling Center - Women's A&D Services	$ -	$ 327.50	$ 3,930.00	$ 3,930.00	$ 1,475.75	$ 625.00	$ 80.50	$ 2,181.25
Sub-Total:				$ 18,991.08				$ 13,087.50
Grand Total:				$ 168,900.12				$ 69,800.00

17

ATTACHMENT D

Letters of Intent

April 24, 2007

Higginsville Habilitation Center
West First St
PO Box 517
Higginsville, MO 64037

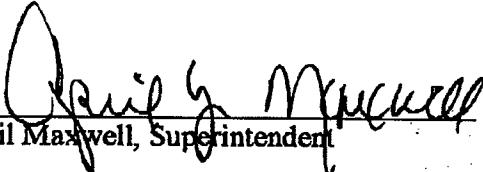Re: FCC Rural Health Care Pilot Project Proposal
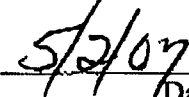

To the Curators of the University of Missouri:

It is the intent of Higginsville Habilitation Center to participate in the FCC Rural Health
Care Pilot Project if funded. We acknowledge that the Missouri Telehealth Network is
applying to be a part of the pilot program and may or may not be accepted.

Higginsville Habilitation Center's participation and responsibility in this project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not
   paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri
   Research and Education Network (MOREnet) guidelines in regards to
   network activity.

Higginsville Habilitation Center fully supports the effort to increase access to healthcare
via telehealth. Higginsville Habilitation Center welcomes this opportunity to join the
Missouri Telehealth Network. Higginsville Habilitation Center understands that this
project is contingent upon funding thru the FCC Rural Health Care Fund.

_____   _____5/2/07_____
April Maxwell, Superintendent   Date

April 24, 2007

Family Counseling Centers
925 Highway VV
Kennett, MO 63857

Re: FCC Rural Health Care Pilot Project Proposal

To the Curators of the University of Missouri:

It is the intent of Family Counseling Centers to participate in the FCC Rural Health Care Pilot Project if funded. We acknowledge that the Missouri Telehealth Network is applying to be a part of the pilot program and may or may not be accepted.

Family Counseling Centers has five sites - Family Counseling Center - Psychiatric Services (Kennett), Family Counseling Center - Adult A&D Services (Hayti), Family Counseling Center - Women's A&D Services (Cape Girardeau), Family Counseling Center - Psychiatric Services (Poplar Bluff), and Family Counseling Center - Adult A&D Services (West Plains) - that would benefit greatly by adding telehealth to our program.

Family Counseling Centers's participation and responsibility in this project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri Research and Education Network (MOREnet) guidelines in regards to network activity.

Family Counseling Centers fully supports the effort to increase access to healthcare via telehealth. Family Counseling Centers welcomes this opportunity to join the Missouri Telehealth Network. Family Counseling Centers understands that this project is contingent upon funding thru the FCC Rural Health Care Fund.

_____   _4/24/07_____
Myra Callahan, Chief Executive Officer   Date

April 24, 2007

Cottonwood Residential Treatment Center
1025 N Sprigg St
Cape Girardeau, MO 63701

Re: FCC Rural Health Care Pilot Project Proposal

To the Curators of the University of Missouri:

It is the intent of Cottonwood Residential Treatment Center to participate in the FCC
Rural Health Care Pilot Project if funded. We acknowledge that the Missouri Telehealth
Network is applying to be a part of the pilot program and may or may not be accepted.

Cottonwood Residential Treatment Center's participation and responsibility in this
project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not
   paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri
   Research and Education Network (MOREnet) guidelines in regards to
   network activity.

Cottonwood Residential Treatment Center fully supports the effort to increase access to
healthcare via telehealth. Cottonwood Residential Treatment Center welcomes this
opportunity to join the Missouri Telehealth Network. Cottonwood Residential Treatment
Center understands that this project is contingent upon funding thru the FCC Rural
Health Care Fund.

_____   ____4-25-07____
Martha Cassel, Chief Operating Officer   Date

FAMILY HEALTH CENTER

April 30, 2007

Marceline Community Health Center
225 W Hayden
PO Box 317
Marceline, MO 64658

Re: FCC Rural Health Care Pilot Project Proposal

To the Curators of the University of Missouri:

It is the intent of Marceline Community Health Center to participate in the FCC
Rural Health Care Pilot Project if funded. Family Health Center is in the process
of acquiring the assets of Marceline Community Heath Center and expanding
operations to its site in 2007. We acknowledge that the Missouri Telehealth
Network is applying to be a part of the pilot program and may or may not be
accepted.

Marceline Community Health Center's participation and responsibility in this
project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not paid by
   this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri Research
   and Education Network (MOREnet) guidelines in regards to network activity.

Marceline Community Health Center fully supports the effort to increase access
to healthcare via telehealth. Marceline Community Health Center welcomes this
opportunity to join the Missouri Telehealth Network. Marceline Community
Health Center understands that this project is contingent upon funding thru the
FCC Rural Health Care Fund.

Sincerely,

Dr. Steven G. Long
Executive Director
Marceline Community Health Center

Gloria Crull, FACHE
Executive Director
Family Health Center

April 24, 2007

BJC Behavioral Health
1430 Olive St, Ste 500
St. Louis, MO 63103-2377

Re: FCC Rural Health Care Pilot Project Proposal

To the Curators of the University of Missouri:

It is the intent of BJC Behavioral Health to participate in the FCC Rural Health Care Pilot
Project if funded. We acknowledge that the Missouri Telehealth Network is applying to
be a part of the pilot program and may or may not be accepted.

BJC Behavioral Health has four sites - North Division (Bridgeton), Central Division (St.
Louis), South Division (Kirkwood), and Southeast Division (Farmington) - that would
benefit greatly by adding telehealth to our program.

BJC Behavioral Health's participation and responsibility in this project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not
   paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri
   Research and Education Network (MOREnet) guidelines in regards to
   network activity.

BJC Behavioral Health fully supports the effort to increase access to healthcare via
telehealth. BJC Behavioral Health welcomes this opportunity to join the Missouri
Telehealth Network. BJC Behavioral Health understands that this project is contingent
upon funding thru the FCC Rural Health Care Fund.

Mark Stansberry, Executive Director   4-25-07
                                                           Date

April 24, 2007

Southwest Missouri Psychiatric Rehabilitation Center
1301 Industrial Pkwy East
El Dorado Springs, MO 64744

Re: FCC Rural Health Care Pilot Project Proposal

To the Curators of the University of Missouri:

It is the intent of Southwest Missouri Psychiatric Rehabilitation Center to participate in
the FCC Rural Health Care Pilot Project if funded. We acknowledge that the Missouri
Telehealth Network is applying to be a part of the pilot program and may or may not be
accepted.

Southwest Missouri Psychiatric Rehabilitation Center's participation and responsibility in
this project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not
   paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri
   Research and Education Network (MOREnet) guidelines in regards to
   network activity.

Southwest Missouri Psychiatric Rehabilitation Center fully supports the effort to increase
access to healthcare via telehealth. Southwest Missouri Psychiatric Rehabilitation Center
welcomes this opportunity to join the Missouri Telehealth Network. Southwest Missouri
Psychiatric Rehabilitation Center understands that this project is contingent upon funding
thru the FCC Rural Health Care Fund.

Denise Norbury, CEO
Denise Norbury, Chief Operating Officer

4/25/07
Date

Post-it® Fax Note	7671	Date 4/25/07	# of pages ▶
To Rachel Mutrux		From Denise Norbury	
Co./Dept.		Co. SWMPRC	
Phone #		Phone # 417-874-1001	
Fax # 573-882-5664		Fax # 4178876-1004	

April 26, 2007

Fulton State Hospital
600 E Fifth St
Fulton, MO 65251-1796

Re: FCC Rural Health Care Pilot Project Proposal

To the Curators of the University of Missouri:

It is the intent of Fulton State Hospital to participate in the FCC Rural Health Care Pilot
Project if funded. We acknowledge that the Missouri Telehealth Network is applying to
be a part of the pilot program and may or may not be accepted.

Fulton State Hospital's participation and responsibility in this project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not
   paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri
   Research and Education Network (MOREnet) guidelines in regards to
   network activity.

Fulton State Hospital fully supports the effort to increase access to healthcare via
telehealth. Fulton State Hospital welcomes this opportunity to join the Missouri
Telehealth Network. Fulton State Hospital understands that this project is contingent
upon funding thru the FCC Rural Health Care Fund.

Marty Martin, Chief Operating Officer   4/26/07
                                                               Date

BURRELL BEHAVIORAL HEALTH

CHILDREN • ADOLESCENTS • ADULTS • SENIOR ADULTS
Consultation, Evaluation, Outpatient, Residential and Inpatient Services

Burrell Behavioral Health
1300 E Bradford Parkway
Springfield, MO 65804

April 24, 2007

Re: FCC Rural Health Care Pilot Project Proposal
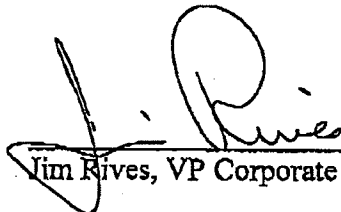
To the Curators of the University of Missouri:

It is the intent of Burrell Behavioral Health to participate in the FCC Rural Health Care Pilot Project if funded. We acknowledge that the Missouri Telehealth Network is applying to be a part of the pilot program and may or may not be accepted.

Burrell Behavioral Health has two sites - Transitions, Marshfield Clinic, - that would benefit greatly by adding telehealth to our program.

Burrell Behavioral Health's participation and responsibility in this project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri Research and Education Network (MOREnet) guidelines in regards to network activity.

Burrell Behavioral Health fully supports the effort to increase access to healthcare via telehealth. Burrell Behavioral Health welcomes this opportunity to join the Missouri Telehealth Network. Burrell Behavioral Health understands that this project is contingent upon funding thru the FCC Rural Health Care Fund.

_____
Jim Rives, VP Corporate Development

04-26, 2007
Date

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                                                                                                          www.coxhealth.com

April 24, 2007

Citizens Memorial Healthcare
1500 N Oakland
Bolivar, MO 65613

Re: FCC Rural Health Care Pilot Project Proposal

To the Curators of the University of Missouri:

It is the intent of Citizens Memorial Healthcare to participate in the FCC Rural Health Care Pilot Project if funded. We acknowledge that the Missouri Telehealth Network is applying to be a part of the pilot program and may or may not be accepted.

Citizens Memorial Healthcare has twelve sites - Ash Grove Family Medical Center, Ash Grove Healthcare Facility, Citizens Memorial Hospital, CMH Foot & Ankle Clinic & Bolivar Eye Specialty Center, Bolivar Family Care Center, Dallas County Family Medical Center, Colonial Springs Healthcare Center, Dade County Family Medical Center, Hermitage Family Medical Center, Humansville Family Medical Center, Pleasant Hope Family Medical Center and Stockton Family Medical Center - that would benefit greatly by adding telehealth to our program.

Citizens Memorial Healthcare's participation and responsibility in this project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri Research and Education Network (MOREnet) guidelines in regards to network activity.

Citizens Memorial Healthcare fully supports the effort to increase access to healthcare via telehealth. Citizens Memorial Healthcare welcomes this opportunity to join the Missouri Telehealth Network. Citizens Memorial Healthcare understands that this project is contingent upon funding thru the FCC Rural Health Care Fund.

Denni McColm, Chief Information Officer   4/25/07
                                                            Date

MATT BLUNT
Governor

KEITH SCHAFER, Ed.D.
Director
Department of Mental Health

JOSEPH PARKS, M.D.
Director
Division of Comprehensive
Psychiatric Services

FELIX VINCENZ, Ph.D.
Chief Operating Officer
Division of Comprehensive
Psychiatric Services

KAREN ADAMS
Chief Executive Officer

MELISSA RING, Ph.D.
Chief Operating Officer

JULIE INMAN
Chief Financial Officer

JAY ENGLEHART, M.D.
Medical Director

STATE OF MISSOURI
DEPARTMENT OF MENTAL HEALTH
DIVISION OF COMPREHENSIVE PSYCHIATRIC SERVICES
SOUTHEAST MISSOURI MENTAL HEALTH CENTER
1010 WEST COLUMBIA STREET
FARMINGTON, MISSOURI 63640-2997
(573) 218-6792
FAX: (573) 218-6703
TDD (FOR THE HEARING IMPAIRED): (573) 218-7018

April 24, 2007

Southeast Mental Health Center
1010 W Columbia
Farmington, MO 63640

Re: FCC Rural Health Care Pilot Project Proposal

To the Curators of the University of Missouri:

It is the intent of Southeast Mental Health Center to participate in the FCC Rural Health Care Pilot Project if funded. We acknowledge that the Missouri Telehealth Network is applying to be a part of the pilot program and may or may not be accepted.

Southeast Mental Health Center's participation and responsibility in this project includes:

1. Funding endpoint telehealth equipment.
2. Funding the portion of network infrastructure, lines and equipment not paid by this FCC pilot project.
3. Complying with Missouri Telehealth Network (MTN) and Missouri Research and Education Network (MOREnet) guidelines in regards to network activity.

Southeast Mental Health Center fully supports the effort to increase access to healthcare via telehealth. Southeast Mental Health Center welcomes this opportunity to join the Missouri Telehealth Network. Southeast Mental Health Center understands that this project is contingent upon funding thru the FCC Rural Health Care Fund.

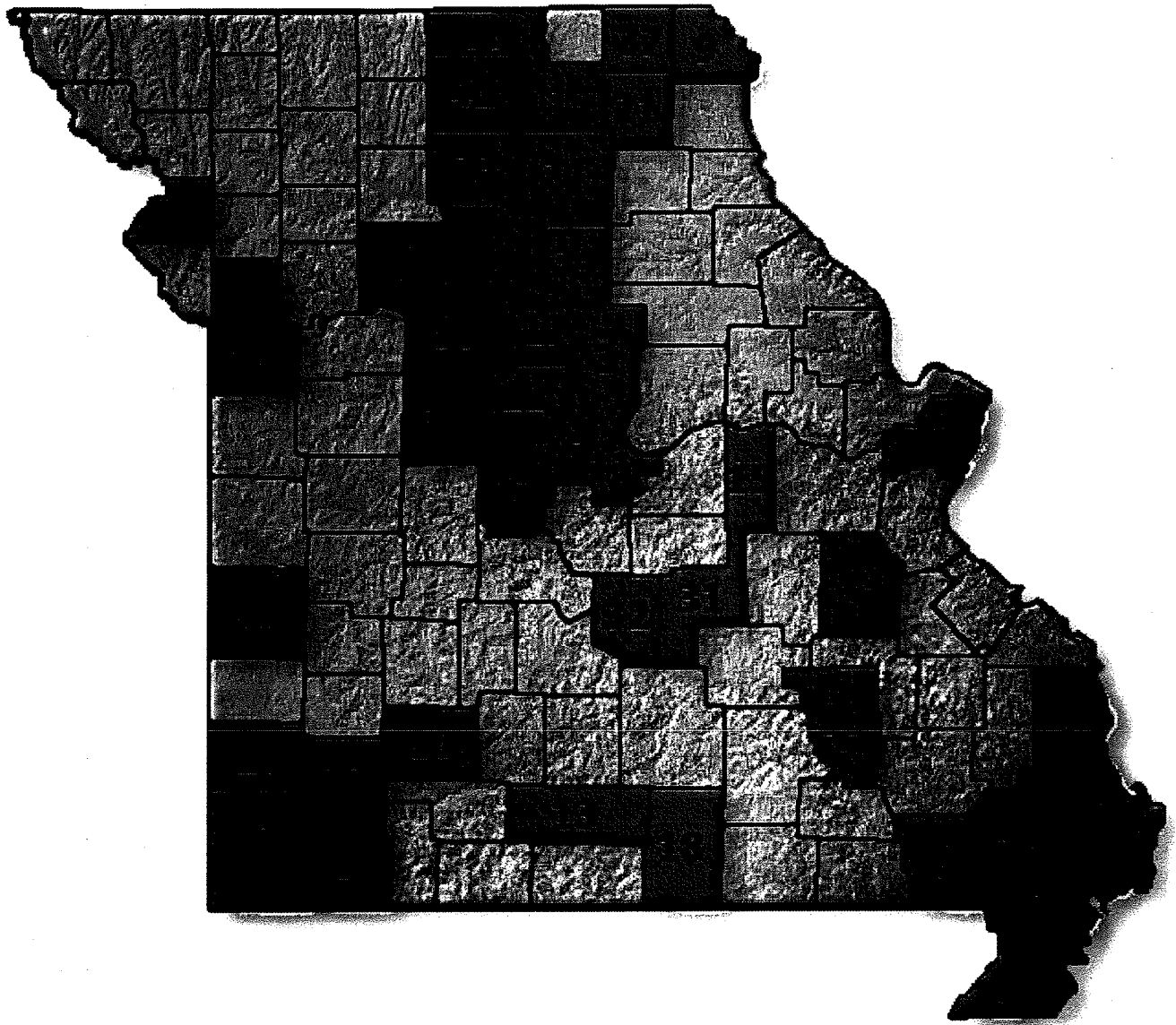Melissa Ring, Chief Operating Officer

5/2/07
Date

Missouri Telehealth Network

Advancing health care through telecommunications

Current MTN Sites

Missouri Telehealth Network Sites

1. **Adair County**
   A.T. Still University, Kirksville
   Mark Twain Counseling Center, Kirksville
   Preferred Family Healthcare, Kirksville
   Northeast Missouri Health Council, Kirksville
   Cleaver Dermatology, Kirksville
   Northeast Regional Medical Center Specialty Clinic, Kirksville
   Truman State University Speech & Hearing Clinic, Kirksville
   Northeast Missouri Telehealth Network, Kirksville
2. **Barry County**
   Clark Community Mental Health Center, Monett
   St. John's Urgent Care Clinic, Monett
3. **Boone County**
   University of Missouri Health Care, Columbia
   Ellis Fishel Cancer Center, Columbia
   University Physicians Clinics, Columbia
   Parkade Center Behavioral Health Services, Columbia
   Rusk Rehabilitation Hospital, Columbia
   Columbia Regional Hospital, Columbia
   MU School of Medicine, Columbia
   MU Sinclair School of Nursing, Columbia
   Woodrail Centre, Columbia
   Thompson Center for Autism & Neurodevelopmental Disorders, Columbia
   Family Health Center, Columbia
4. **Buchanan County**
   Northwest Health Services, Inc., St. Joseph
   Heartland Health System, St. Joseph
5. **Butler County**
   Poplar Bluff Regional Medical Center, Poplar Bluff
6. **Cape Girardeau County**
   Cross Trails Medical Center, Cape Girardeau
7. **Carroll County**
   Carroll County Behavioral Health Services, Carrollton
8. **Chariton County**
   Family Health Center, Salisbury
9. **Clark County**
   Kahoka Medical Clinic, Kahoka
10. **Clay County**
    Liberty Hospital, Liberty
    North Kansas City Hospital, Kansas City
11. **Cole County**
    Department of Health & Senior Services, Jefferson City
    Missouri Primary Care Association, Jefferson City
    Missouri Health Association, Jefferson City
    Capital Region Medical Center, Jefferson City
12. **Cooper County**
    Cooper County Memorial Hospital, Boonville (Teleradiology only)
13. **Douglas County**
    Missouri Ozarks Community Health, Ava
14. **Dunklin County**
    Kennett Family Clinic & Migrant Services, Kennett
15. **Gasconade County**
    Hermann Area District Hospital, Hermann
16. **Greene County**
    Jordan Valley Community Health Center, Springfield
    Cox Medical Center South, Springfield
    St. John's Regional Health Center, Springfield

17. **Howard County**
Fayette Medical Clinic, Fayette (Teleradiology only)
18. **Howell County**
Southern Missouri Community Health Center, West Plains
Ozarks Medical Center, West Plains
19. **Jackson County**
Children's Mercy Hospital, Kansas City
Truman Medical Center Hospital Hill, Kansas City
Swope Health Services, Kansas City
Samuel U Rodgers Community Health Center, Kansas City
Saint Luke's Hospital of Kansas City, Kansas City
Research Medical Center, Kansas City
Independence Regional Health Center, Independence
20. **Jasper County**
St. John's Regional Medical Center, Joplin
21. **Knox County**
Northeast Missouri Family Health Center, Edina
22. **Lawrence County**
Missouri Rehabilitation Center, Mt. Vernon
Clark Community Mental Health Center, Aurora
23. **Linn County**
Pershing Memorial Hospital, Brookfield
24. **Macon County**
Loch Haven Nursing Home, Macon
Samaritan Memorial Hospital, Macon
25. **McDonald County**
Ozark Tri-County Health Care Consortium, Anderson
26. **Moniteau County**
Moniteau County Behavioral Health Services, California
27. **Morgan County**
Morgan County Behavioral Health Services, Versailles
28. **New Madrid County**
New Madrid Family Clinic, New Madrid
Portageville Family Clinic, Portageville
29. **Newton County**
Freeman West, Joplin
30. **Pettis County**
Pettis County Behavioral Health Services, Sedalia
Katy Trail Community Health, Sedalia
31. **Phelps County**
Phelps County Regional Medical Center, Rolla
Phelps Regional Home Care, Rolla
32. **Pulaski County**
General Leonard Wood Army Community Hospital, Ft. Leonard Wood
Central Ozark Medical Center, Richland
33. **Putnam County**
Putnam County Memorial Hospital, Unionville
34. **Randolph County**
Randolph County Behavioral Health Services, Moberly
35. **Reynolds County**
Missouri Highlands Health Care, Ellington
36. **Saline County**
Saline County Behavioral Health Services, Marshall
Marshall Habilitation Center, Marshall
37. **Scotland County**
Scotland County Memorial Hospital, Memphis
38. **Scott County**
Sikeston Family Clinic, Sikeston
Missouri Delta Medical Center, Sikeston
39. **St. Louis County**
St. Louis Children's Hospital, St. Louis
SSM Cardinal Glennon Children's Hospital, St. Louis

St. Louis University Hospital, St. Louis
SSM St. Joseph Hospital of Kirkwood, St. Louis
St. Anthony's Medical Center, St. Louis
St. John's Mercy Medical Center, St. Louis
SSM DePaul Health Center, Bridgeton
Family Care Health Centers, St. Louis
Myrtle Hilliard Davis Comprehensive Health Center, St. Louis
Grace Hill Neighborhood Health Centers, St. Louis
People's Health Centers, Inc., St. Louis

40. **Stoddard County**
Bernie Family Clinic, Bernie

41. **Sullivan County**
Sullivan County Memorial Hospital, Milan

42. **Vernon County**
Nevada Regional Medical Center, Nevada

43. **Washington County**
Great Mines Health Center, Potosi

Attachment F
Relationship Chart